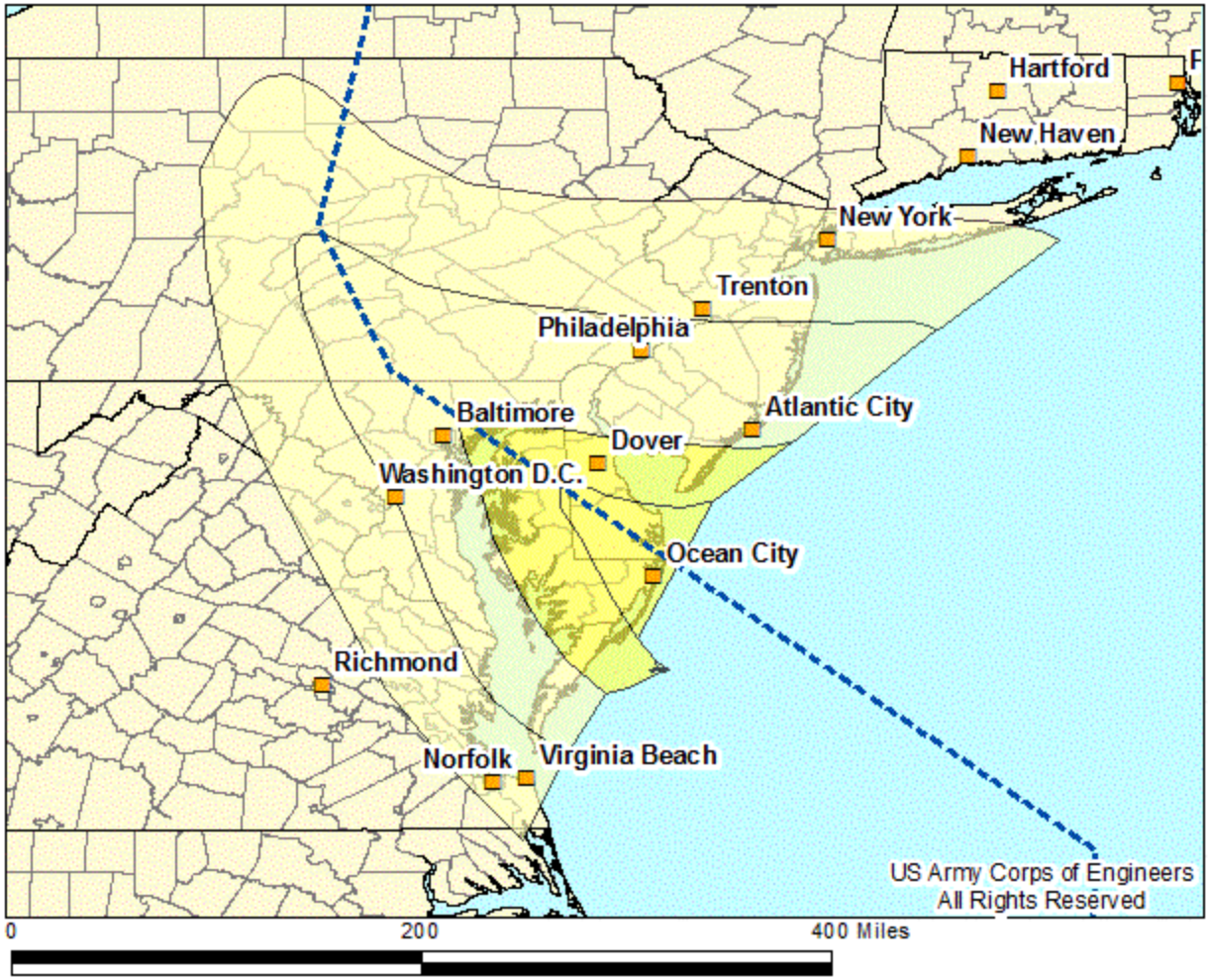
# Hurricane Sandy Projected Damage Areas

US Army Corps of Engineers

## Landfall Expected In About 58 Hours

**For Planning Purposes Only!**




### *Post Landfall Projected Damage Areas*

This model is based on a Category 1 storm making landfall coastal DE.

Forecast Track

**Projected Damage Areas**

- CAT 0-type damage
- CAT 1-type damage
- CAT 2-type damage
- CAT 3-type damage
- CAT 4-type damage
- CAT 5-type damage

Information provided on this page displays a projected or actual Category 1 storm making landfall coastal DE. These projections are based on information from the NHC (1100 EDT 10/27/2012) forecast and extrapolated by LRL staff to represent a landfall condition that has either occurred or may occur in the near future.

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

**Hurricane Sandy Projected Damage Areas**

**Generated By:**
P.Keown, LRL 1200 EDT 10/27/2012

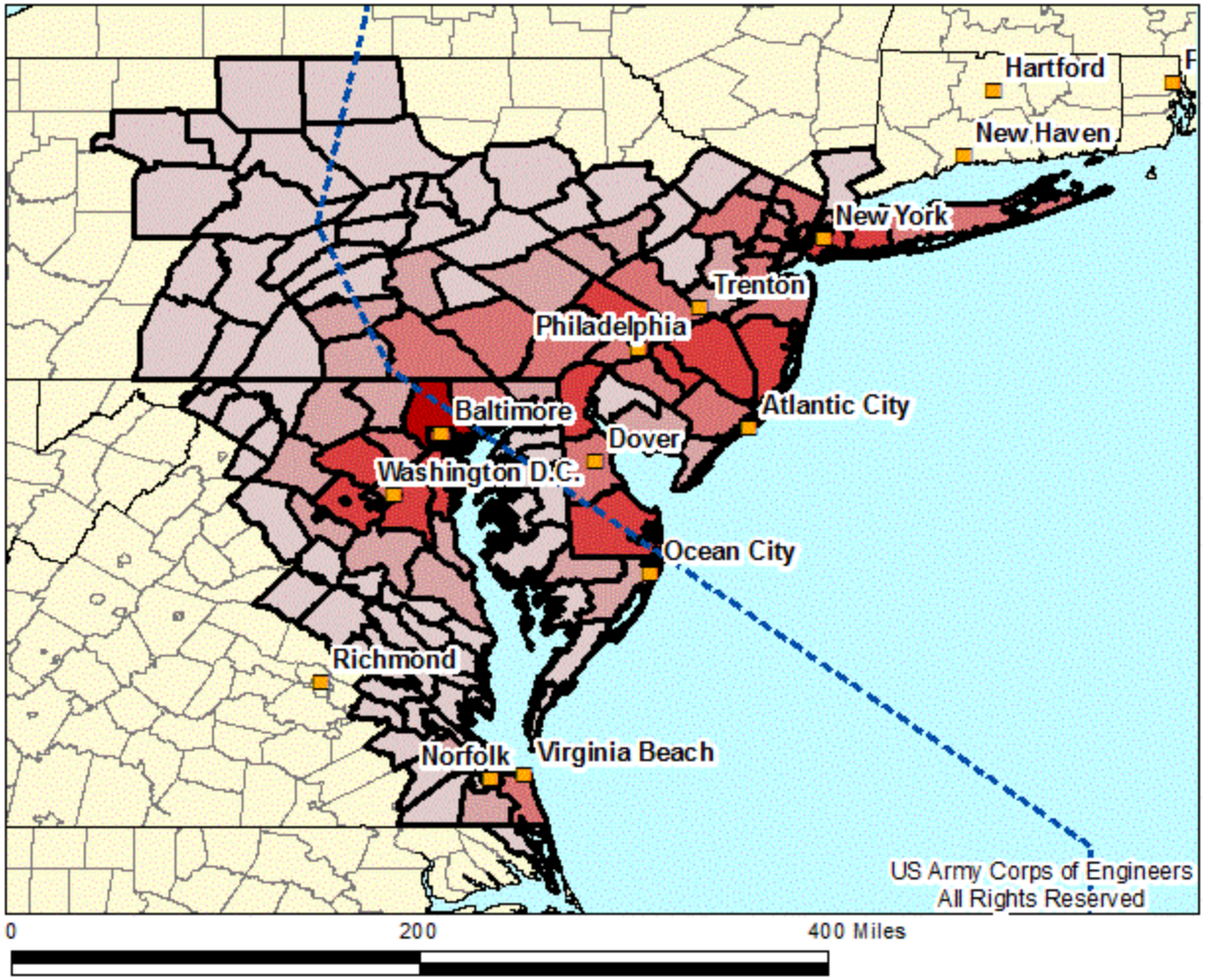
**Sources:**
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

# Hurricane Sandy Debris Model

## Landfall Expected In About **58** Hours

**For Planning Purposes Only!**




### *Post Landfall Debris Model Results*

Maryland - 6,238,000 Yards
New Jersey - 5,998,000 Yards
Pennsylvania - 5,604,000 Yards
New York - 2,966,000 Yards
Virginia - 2,407,000 Yards
Delaware - 1,357,000 Yards
District of Columbia - 265,000 Yards
West Virginia - 71,000 Yards

*Model results per County on following page*

This model is based on a Category 1 storm making landfall coastal DE.

Forecast Track

**Debris**

- < 100,000 cubic yards
- 100,000 - 249,999 cubic yards
- 250,000 - 499,999 cubic yards
- 500,000 - 999,999 cubic yards
- >1,000,000 cubic yards

Information provided on this page displays a Category 1 storm making landfall coastal DE. These projections are based on information from the NHC (1100 EDT 10/27/2012) forecast. The amount of debris forecasted is possible total volume, not necessarily the volume that may need to be removed with Federal funds, but does not include volume that may be covered by private insurance. Debris volume may include storm surge generated debris.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

| Hurricane Sandy Debris Model | |
|---|---|
| **Generated By:** P.Keown, LRL 1200 EDT 10/27/2012 | |
| **Sources:** HURREVAC LRL-DEBRIS |  |

US Army Corps of Engineers

# Hurricane Sandy Debris Model

## Landfall Expected In About 58 Hours

**For Planning Purposes Only!**

| State | Yards per State | County | Yards per County |
|---|---|---|---|
| Delaware | | Kent County | 257,000 |
| | | New Castle County | 588,000 |
| | | Sussex County | 512,000 |
| Delaware | 1,357,000 | | |
| | | | |
| District of Columbia | | District of Columbia | 265,000 |
| District of Columbia | 265,000 | | |
| | | | |
| Maryland | | Anne Arundel County | 686,000 |
| | | Baltimore County | 1,059,000 |
| | | Baltimore city | 736,000 |
| | | Calvert County | 117,000 |
| | | Caroline County | 57,000 |
| | | Carroll County | 167,000 |
| | | Cecil County | 111,000 |
| | | Charles County | 107,000 |
| | | Dorchester County | 72,000 |
| | | Frederick County | 136,000 |
| | | Harford County | 308,000 |
| | | Howard County | 344,000 |
| | | Kent County | 35,000 |
| | | Montgomery County | 704,000 |
| | | Prince George's County | 820,000 |
| | | Queen Anne's County | 76,000 |
| | | Somerset County | 43,000 |
| | | St. Mary's County | 171,000 |
| | | Talbot County | 79,000 |
| | | Washington County | 81,000 |
| | | Wicomico County | 177,000 |
| | | Worcester County | 152,000 |
| Maryland | 6,238,000 | | |

| State | Yards per State | County | Yards per County |
|---|---|---|---|
| New Jersey | | Atlantic County | 310,000 |
| | | Bergen County | 359,000 |
| | | Burlington County | 523,000 |
| | | Camden County | 587,000 |
| | | Cape May County | 170,000 |
| | | Cumberland County | 173,000 |
| | | Essex County | 369,000 |
| | | Gloucester County | 322,000 |
| | | Hudson County | 261,000 |
| | | Hunterdon County | 70,000 |
| | | Mercer County | 194,000 |
| | | Middlesex County | 433,000 |
| | | Monmouth County | 377,000 |
| | | Morris County | 261,000 |
| | | Ocean County | 768,000 |
| | | Passaic County | 205,000 |
| | | Salem County | 76,000 |
| | | Somerset County | 179,000 |
| | | Sussex County | 19,000 |
| | | Union County | 283,000 |
| | | Warren County | 59,000 |
| New Jersey | 5,998,000 | | |
| | | | |
| New York | | Bronx County | 201,000 |
| | | Kings County | 625,000 |
| | | Nassau County | 523,000 |
| | | New York County | 294,000 |
| | | Queens County | 651,000 |
| | | Richmond County | 177,000 |

The amount of debris forecasted is possible total volume, not necessarily the volume that may need to be removed with Federal funds, but does not include volume that may be covered by private insurance. Debris volume may include storm surge generated debris.

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Source: US Army Corps of Engineers, All Rights Reserved

**Hurricane Sandy Debris Model**

**Generated By:**
P.Keown, LRL 1200 EDT 10/27/2012

**Sources:**
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

# Hurricane Sandy Debris Model

## Landfall Expected In About 58 Hours

**For Planning Purposes Only!**

| State | Yards per State | County | Yards per County |
|---|---|---|---|
| New York | | Suffolk County | 413,000 |
| (continued) | | Westchester County | 82,000 |
| New York | 2,966,000 | | |
| | | | |
| North Carolina | | Currituck County | < 1,000 |
| North Carolina | | | |
| | | | |
| Pennsylvania | | Adams County | 105,000 |
| | | Bedford County | 2,000 |
| | | Berks County | 212,000 |
| | | Blair County | 10,000 |
| | | Bucks County | 338,000 |
| | | Cameron County | 2,000 |
| | | Carbon County | 33,000 |
| | | Centre County | 88,000 |
| | | Chester County | 422,000 |
| | | Clearfield County | 11,000 |
| | | Clinton County | 28,000 |
| | | Columbia County | 33,000 |
| | | Cumberland County | 223,000 |
| | | Dauphin County | 236,000 |
| | | Delaware County | 470,000 |
| | | Elk County | < 1,000 |
| | | Franklin County | 85,000 |
| | | Fulton County | 8,000 |
| | | Huntingdon County | 31,000 |
| | | Juniata County | 23,000 |
| | | Lancaster County | 459,000 |
| | | Lebanon County | 87,000 |
| | | Lehigh County | 158,000 |
| | | Luzerne County | 35,000 |

| State | Yards per State | County | Yards per County |
|---|---|---|---|
| Pennsylvania | | Lycoming County | 68,000 |
| (continued) | | Mifflin County | 41,000 |
| | | Monroe County | 32,000 |
| | | Montgomery County | 558,000 |
| | | Montour County | 10,000 |
| | | Northampton County | 137,000 |
| | | Northumberland County | 51,000 |
| | | Perry County | 49,000 |
| | | Philadelphia County | 967,000 |
| | | Potter County | 10,000 |
| | | Schuylkil County | 81,000 |
| | | Snyder County | 19,000 |
| | | Tioga County | 3,000 |
| | | Union County | 19,000 |
| | | York County | 460,000 |
| Pennsylvania | 5,604,000 | | |
| | | | |
| Virginia | | Accomack County | 60,000 |
| | | Alexandria city | 76,000 |
| | | Arlington County | 109,000 |
| | | Caroline County | 5,000 |
| | | Charles City County | < 1,000 |
| | | Chesapeake city | 104,000 |
| | | Clarke County | < 1,000 |
| | | Essex County | 9,000 |
| | | Fairfax County | 590,000 |
| | | Fairfax city | 16,000 |
| | | Falls Church city | 11,000 |
| | | Fauquier County | 5,000 |

The amount of debris forecasted is possible total volume, not necessarily the volume that may need to be removed with Federal funds, but does not include volume that may be covered by private insurance. Debris volume may include storm surge generated debris.

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Source: US Army Corps of Engineers, All Rights Reserved

**Hurricane Sandy Debris Model**

**Generated By:**
P.Keown, LRL 1200 EDT 10/27/2012

**Sources:**
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

# Hurricane Sandy Debris Model

## Landfall Expected In About 58 Hours

**For Planning Purposes Only!**

| State | Yards per State | County | Yards per County |
|---|---|---|---|
| Virginia | | Gloucester County | 28,000 |
| (continued) | | Hampton city | 79,000 |
| | | Isle of Wight County | 7,000 |
| | | James City County | 46,000 |
| | | King George County | 15,000 |
| | | King William County | 7,000 |
| | | King and Queen County | 6,000 |
| | | Lancaster County | 15,000 |
| | | Loudoun County | 157,000 |
| | | Manassas Park city | 9,000 |
| | | Manassas city | 25,000 |
| | | Mathews County | 7,000 |
| | | Middlesex County | 10,000 |
| | | New Kent County | 4,000 |
| | | Newport News city | 142,000 |
| | | Norfolk city | 141,000 |
| | | Northampton County | 14,000 |
| | | Northumberland County | 19,000 |
| | | Poquoson city | 8,000 |
| | | Portsmouth city | 73,000 |
| | | Prince William County | 217,000 |
| | | Richmond County | 6,000 |
| | | Spotsylvania County | 2,000 |
| | | Stafford County | 57,000 |
| | | Suffolk city | 8,000 |
| | | Surry County | < 1,000 |
| | | Virginia Beach city | 258,000 |
| | | Westmoreland County | 15,000 |
| | | Williamsburg city | 9,000 |
| | | York County | 39,000 |
| Virginia | 2,408,000 | | |

| State | Yards per State | County | Yards per County |
|---|---|---|---|
| West Virginia | | Berkeley County | 43,000 |
| | | Jefferson County | 26,000 |
| | | Morgan County | 2,000 |
| West Virginia | 71,000 | | |

The amount of debris forecasted is possible total volume, not necessarily the volume that may need to be removed with Federal funds, but does not include volume that may be covered by private insurance. Debris volume may include storm surge generated debris.

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Source: US Army Corps of Engineers, All Rights Reserved

**Hurricane Sandy Debris Model**

**Generated By:**
P.Keown, LRL 1200 EDT 10/27/2012

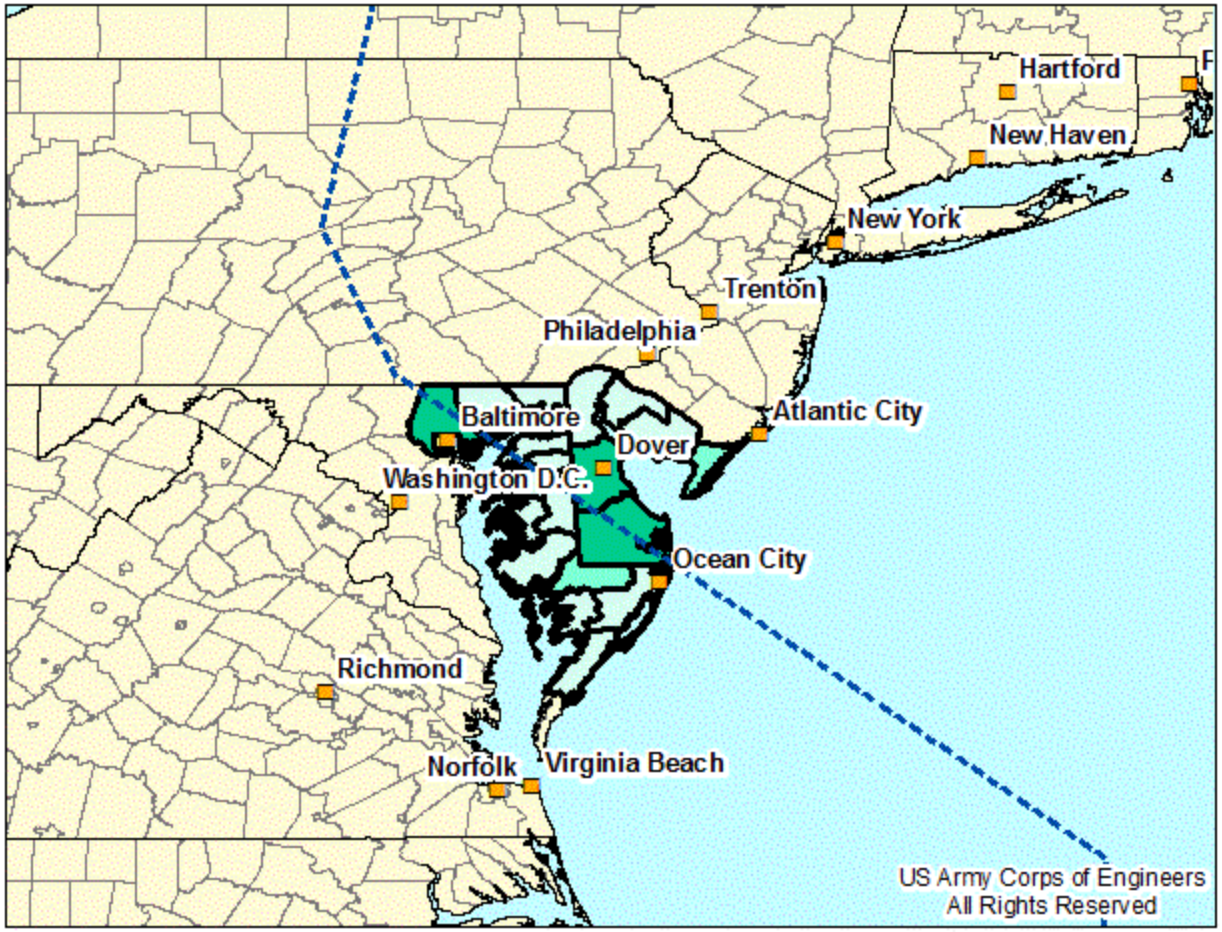
**Sources:**
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

# Hurricane Sandy Commodities Model

## Landfall Expected In About **58** Hours

**For Planning Purposes Only!**




### *Post Landfall Water Model Results*

**Day One / Day Two / Day Three**

MD – 11/22/44 Truckloads
DE – 6/13/26 Truckloads
NJ – 2/5/10 Truckloads
VA – 1/1/2 Truckloads

*Model results per County on following page*

This model is based on a Category 1 storm making landfall coastal DE.

Forecast Track

**Commodities**

- < 5 Trucks Each
- 5 - 10 Trucks Each
- 11 - 20 Trucks Each
- 21 - 40 Trucks Each
- > 40 Trucks Each

Information provided on this page displays a Category 1 storm making landfall coastal DE. These projections are based on information from the NHC ***(1100 EDT 10/27/2012)*** forecast. The amount of commodities forecasted is based on Mission Guide Book requirements and SME input. The graphic represents daily needs with a ramp-up in the distribution system – three days for Points of Distribution (PODs) to be fully in place and operational. Volume shown is for each commodity – water and ice. Commodity need may be supplied by multiple agencies and/or sources.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

**Hurricane Sandy Commodities Model**

**Generated By:**
P.Keown, LRL 1200 EDT 10/27/2012

**Sources:**
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

# Hurricane Sandy Commodities Model

## Landfall Expected In About 58 Hours

**For Planning Purposes Only!**

| State | Truckloads per State | County | Truckloads per County |
|---|---|---|---|
| Delaware | | Kent County | 11 |
| | | New Castle County | 1 |
| | | Sussex County | 14 |
| Delaware | 26 | | |
| | | | |
| Maryland | | Baltimore County | 12 |
| | | Caroline County | 3 |
| | | Cecil County | 1 |
| | | Dorchester County | 3 |
| | | Harford County | 4 |
| | | Kent County | 2 |
| | | Queen Anne's County | 3 |
| | | Somerset County | 2 |
| | | Talbot County | 3 |
| | | Wicomico County | 7 |
| | | Worcester County | 4 |
| Maryland | 44 | | |
| | | | |
| New Jersey | | Cape May County | 6 |
| | | Cumberland County | 1 |
| | | Salem County | 3 |
| New Jersey | 10 | | |
| | | | |
| Virginia | | Accomack County | 2 |
| Virginia | 2 | | |

Source: US Army Corps of Engineers, All Rights Reserved

The amount of commodities forecasted is based on Mission Guide Book requirements and SME input and the above table indicates suggested daily needs based on full deployment of a commodities distribution system. Volume shown is for each commodity – water and ice. Commodity need may be supplied by multiple agencies and/or sources.

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**Hurricane Sandy Commodities Model**

**Generated By:**
P.Keown, LRL 1200 EDT 10/27/2012

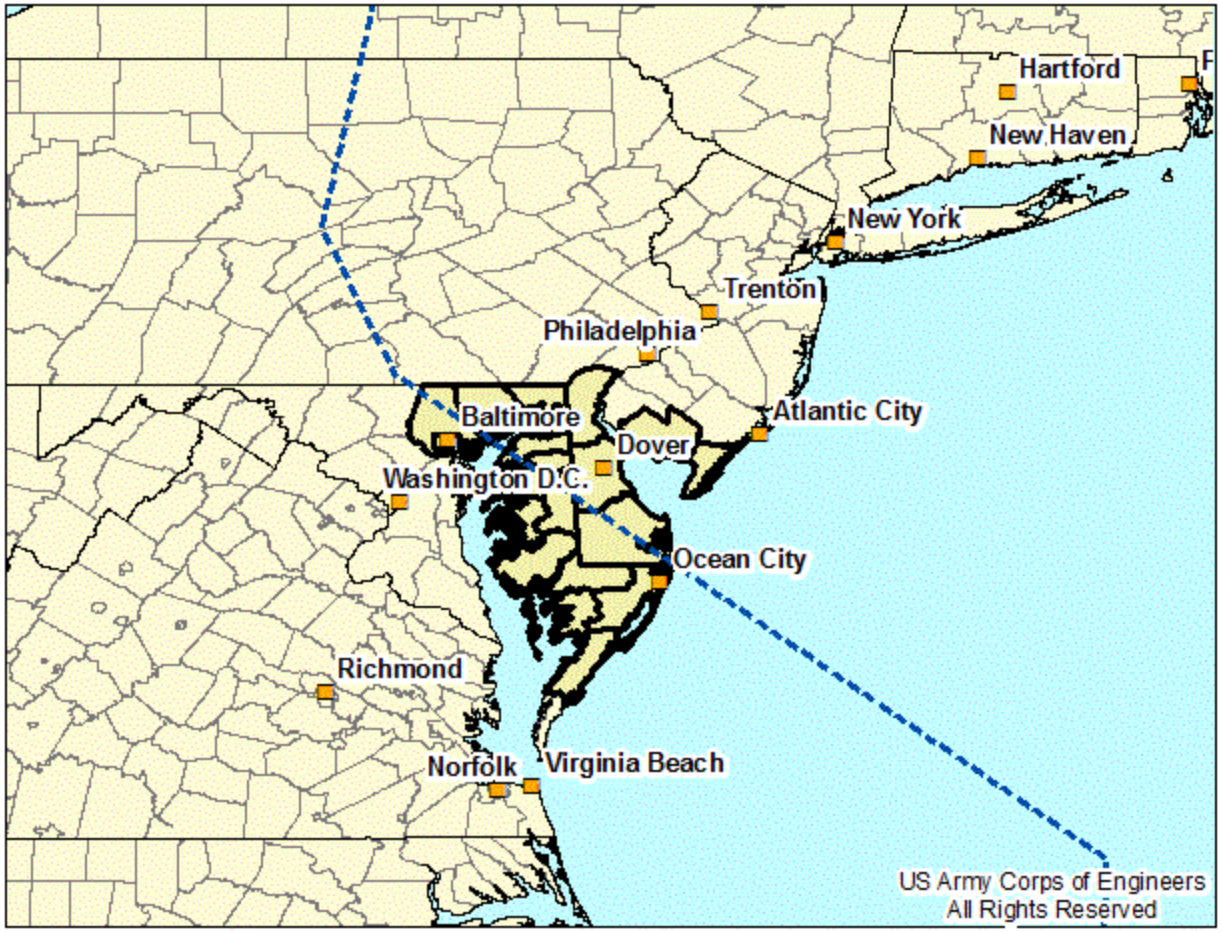
**Sources:**
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

# Hurricane Sandy Temporary Roofing Model

## Landfall Expected In About **58** Hours

**For Planning Purposes Only!**




### *Post Landfall Temporary Roofing Model Results*

Maryland - 6,200
Delaware - 3,200
New Jersey - 800
Virginia - 300

*Model results per County on following page*

This model is based on a Category 1 storm making landfall coastal DE.

Forecast Track

**Temporary Roofing**

- < 2,000 units
- 2,000 - 3,999 units
- 4,000 - 5,999 units
- 6,000 - 9,999 units
- > 10,000 units

Information provided on this page displays a Category 1 storm making landfall coastal DE. These projections are based on information from the NHC (1100 EDT 10/27/2012) forecast. Temporary roofing is based on 3% in CAT 1.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

| **Hurricane Sandy Roofing Model** | |
|---|---|
| **Generated By:** P.Keown, LRL 1200 EDT 10/27/2012 | |
| **Sources:** HURREVAC LRL-DEBRIS | Page 8 of 22 |

US Army Corps of Engineers

# Hurricane Sandy Temporary Roofing Model

## Landfall Expected In About 58 Hours

**For Planning Purposes Only!**

| State | House Units per State | County | House Units per County |
|---|---|---|---|
| Delaware | | Kent County | 1,500 |
| | | New Castle County | < 100 |
| | | Sussex County | 1,700 |
| Delaware | 3,200 | | |
| | | | |
| Maryland | | Baltimore County | 1,600 |
| | | Caroline County | 400 |
| | | Cecil County | < 100 |
| | | Dorchester County | 400 |
| | | Harford County | 600 |
| | | Kent County | 300 |
| | | Queen Anne's County | 500 |
| | | Somerset County | 300 |
| | | Talbot County | 500 |
| | | Wicomico County | 900 |
| | | Worcester County | 700 |
| Maryland | 6,200 | | |
| | | | |
| New Jersey | | Cape May County | 800 |
| | | Cumberland County | < 100 |
| New Jersey | 800 | | |
| | | | |
| Virginia | | Accomack County | 300 |
| Virginia | 300 | | |

Temporary roofing is based on 3% in CAT 1.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Source: US Army Corps of Engineers, All Rights Reserved

**Hurricane Sandy Roofing Model**

**Generated By:**
P.Keown, LRL 1200 EDT 10/27/2012

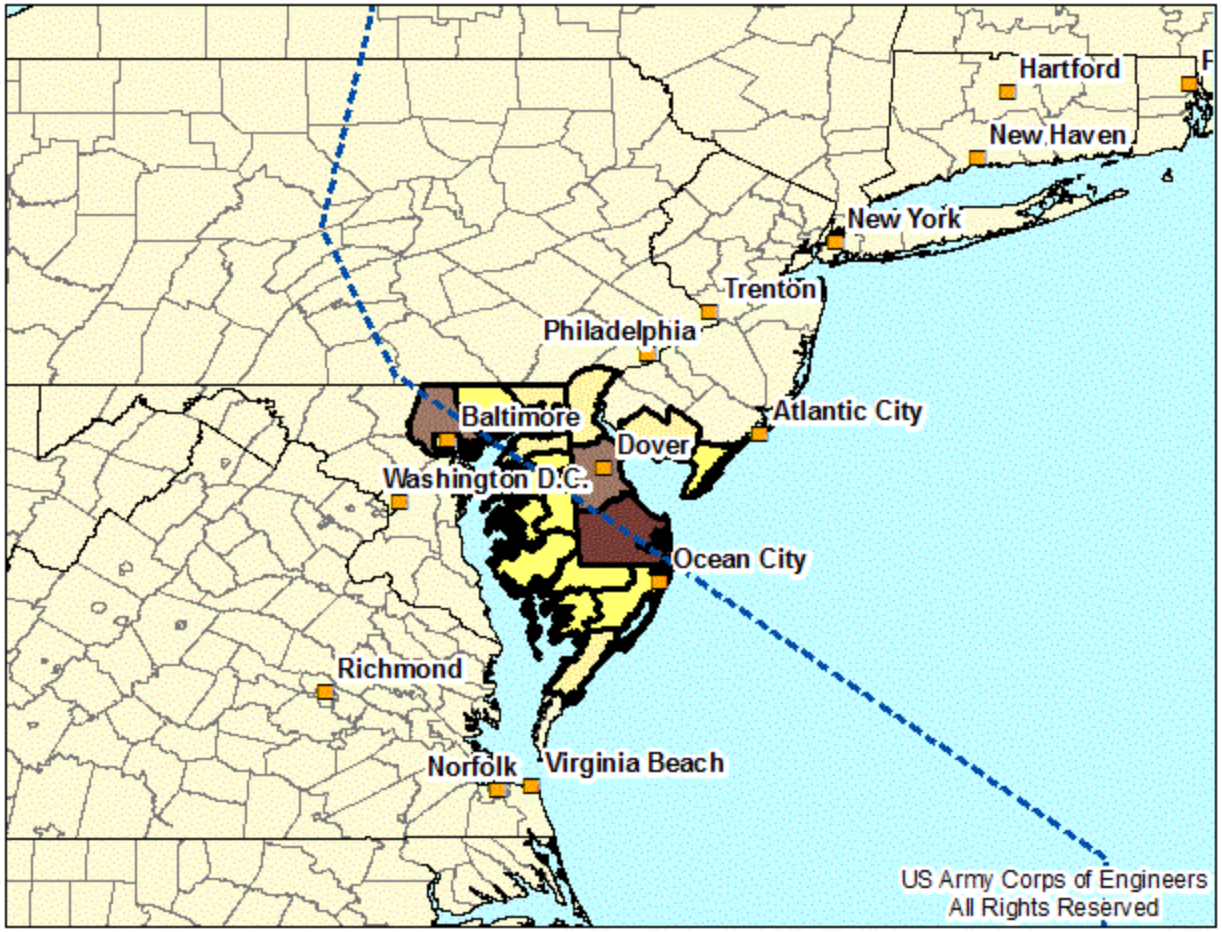
**Sources:**
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

# Hurricane Sandy Population Model

## Landfall Expected In About **58** Hours

**For Planning Purposes Only!**




### *Post Landfall Population Model Results*

Maryland - 581,000
Delaware - 371,000
New Jersey - 88,000
Virginia - 23,000

*Model results per County on following page*

This model is based on a Category 1 storm making landfall coastal DE.

Forecast Track

**Population**

- < 25,000 persons
- 25,000 - 99,999 persons
- 100,000 - 174,999 persons
- 175,000 - 249,999 persons
- > 250,000 persons

Information provided on this page displays a Category 1 storm making landfall coastal DE. These projections are based on information from the NHC (1100 EDT 10/27/2012) forecast. The numbers of persons included in this model output are those that would be included within estimated hurricane force winds (Census 2010 values adjusted to July 2011 values).

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

**Hurricane Sandy Population Model**

**Generated By:**
P.Keown, LRL 1200 EDT 10/27/2012

**Sources:**
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

# Hurricane Sandy Population Model

## Landfall Expected In About 58 Hours

**For Planning Purposes Only!**

| State | Population per State | County | Population per County |
|---|---|---|---|
| Delaware | | Kent County | 165,000 |
| | | New Castle County | 5,000 |
| | | Sussex County | 201,000 |
| Delaware | 371,000 | | |
| | | | |
| Maryland | | Baltimore County | 175,000 |
| | | Caroline County | 33,000 |
| | | Cecil County | 2,000 |
| | | Dorchester County | 31,000 |
| | | Harford County | 60,000 |
| | | Kent County | 21,000 |
| | | Queen Anne's County | 44,000 |
| | | Somerset County | 26,000 |
| | | Talbot County | 37,000 |
| | | Wicomico County | 100,000 |
| | | Worcester County | 52,000 |
| Maryland | 581,000 | | |
| | | | |
| New Jersey | | Cape May County | 81,000 |
| | | Cumberland County | 7,000 |
| New Jersey | 88,000 | | |
| | | | |
| Virginia | | Accomack County | 23,000 |
| Virginia | 23,000 | | |

The number of persons estimated to be within the hurricane force winds comes from Census 2010 values adjusted to July 2011 values.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Source: US Army Corps of Engineers, All Rights Reserved

**Hurricane Sandy Population Model**

**Generated By:**
P.Keown, LRL 1200 EDT 10/27/2012

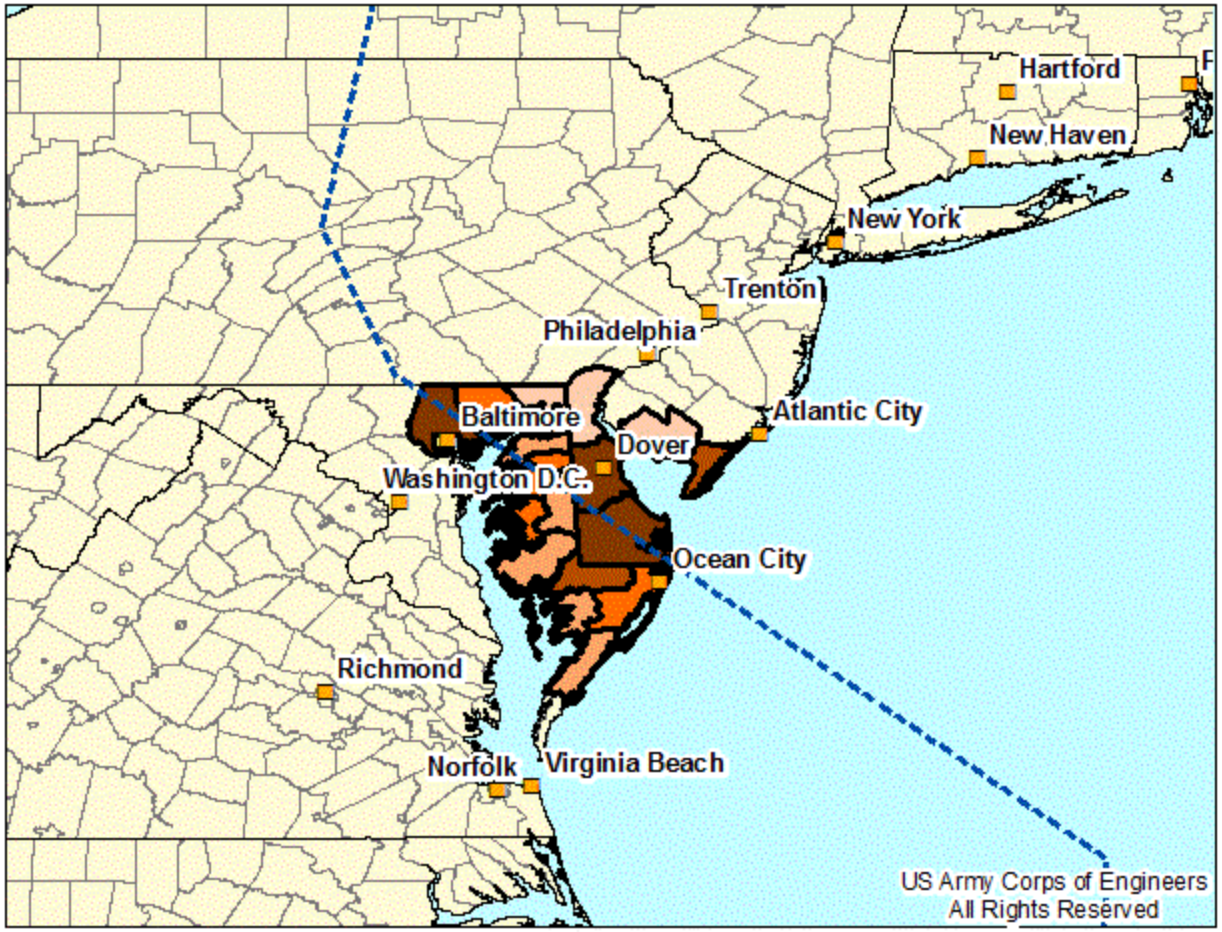
**Sources:**
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

# Hurricane Sandy Households Model

## Landfall Expected In About **58** Hours

**For Planning Purposes Only!**




### *Post Landfall Households Model Results*

Maryland - 229,000
Delaware - 145,000
New Jersey - 36,000
Virginia - 10,000

*Model results per County on following page*

This model is based on a Category 1 storm making landfall coastal DE.

Forecast Track

**Households**

- < 7,500 households
- 7,500 - 14,999 households
- 15,000 - 24,999 households
- 25,000 - 49,999 households
- > 50000 households

Information provided on this page displays a Category 1 storm making landfall coastal DE. These projections are based on information from the NHC (1100 EDT 10/27/2012) forecast. The numbers of households included in this model output are those that would be included within estimated hurricane force winds (Census 2010 values adjusted to July 2011 values).

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

**Hurricane Sandy Households Model**

**Generated By:**
P.Keown, LRL 1200 EDT 10/27/2012

**Sources:**
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

# Hurricane Sandy Households Model

## Landfall Expected In About 58 Hours

**For Planning Purposes Only!**

| State | Households per State | County | Households per County |
|---|---|---|---|
| Delaware | | Kent County | 62,000 |
| | | New Castle County | 2,000 |
| | | Sussex County | 81,000 |
| Delaware | 145,000 | | |
| | | | |
| Maryland | | Baltimore County | 70,000 |
| | | Caroline County | 13,000 |
| | | Cecil County | < 1,000 |
| | | Dorchester County | 13,000 |
| | | Harford County | 22,000 |
| | | Kent County | 9,000 |
| | | Queen Anne's County | 17,000 |
| | | Somerset County | 9,000 |
| | | Talbot County | 16,000 |
| | | Wicomico County | 38,000 |
| | | Worcester County | 22,000 |
| Maryland | 229,000 | | |
| | | | |
| New Jersey | | Cape May County | 33,000 |
| | | Cumberland County | 3,000 |
| New Jersey | 36,000 | | |
| | | | |
| Virginia | | Accomack County | 10,000 |
| Virginia | 10,000 | | |

The number of households estimated to be within the hurricane force winds comes from Census 2010 values adjusted to July 2011 values.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Source: US Army Corps of Engineers, All Rights Reserved

**Hurricane Sandy Households Model**

**Generated By:**
P.Keown, LRL 1200 EDT 10/27/2012

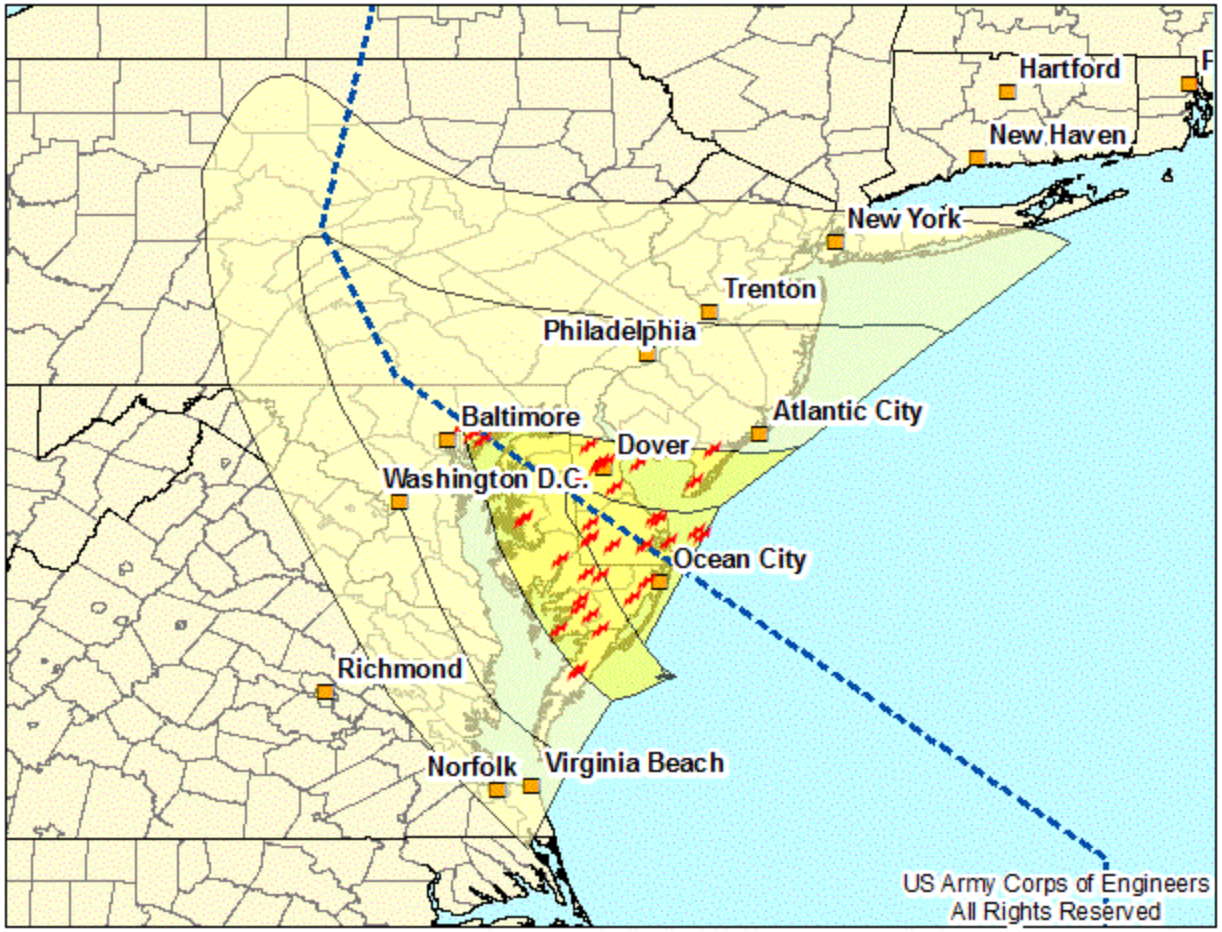
**Sources:**
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

# Hurricane Sandy Electric Power Plants

## Landfall Expected In About **58** Hours

**For Planning Purposes Only!**




### *Most Probable Landfall Electric Power Plants Inside Hurricane Force Winds*

Delaware - 18
Maryland - 17
Virginia - 3
New Jersey - 2

*Model results per County on following page*

This model is based on a Category 1 storm making landfall coastal DE.

Electric Power Plants
Forecast Track

Information provided on this page displays a Category 1 storm making landfall coastal DE. These projections are based on information from the NHC (1100 EDT 10/27/2012) forecast.
The number of electric power plants included in this output are those that would be included within estimated hurricane force winds (data source: HSIP Gold 2012).

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

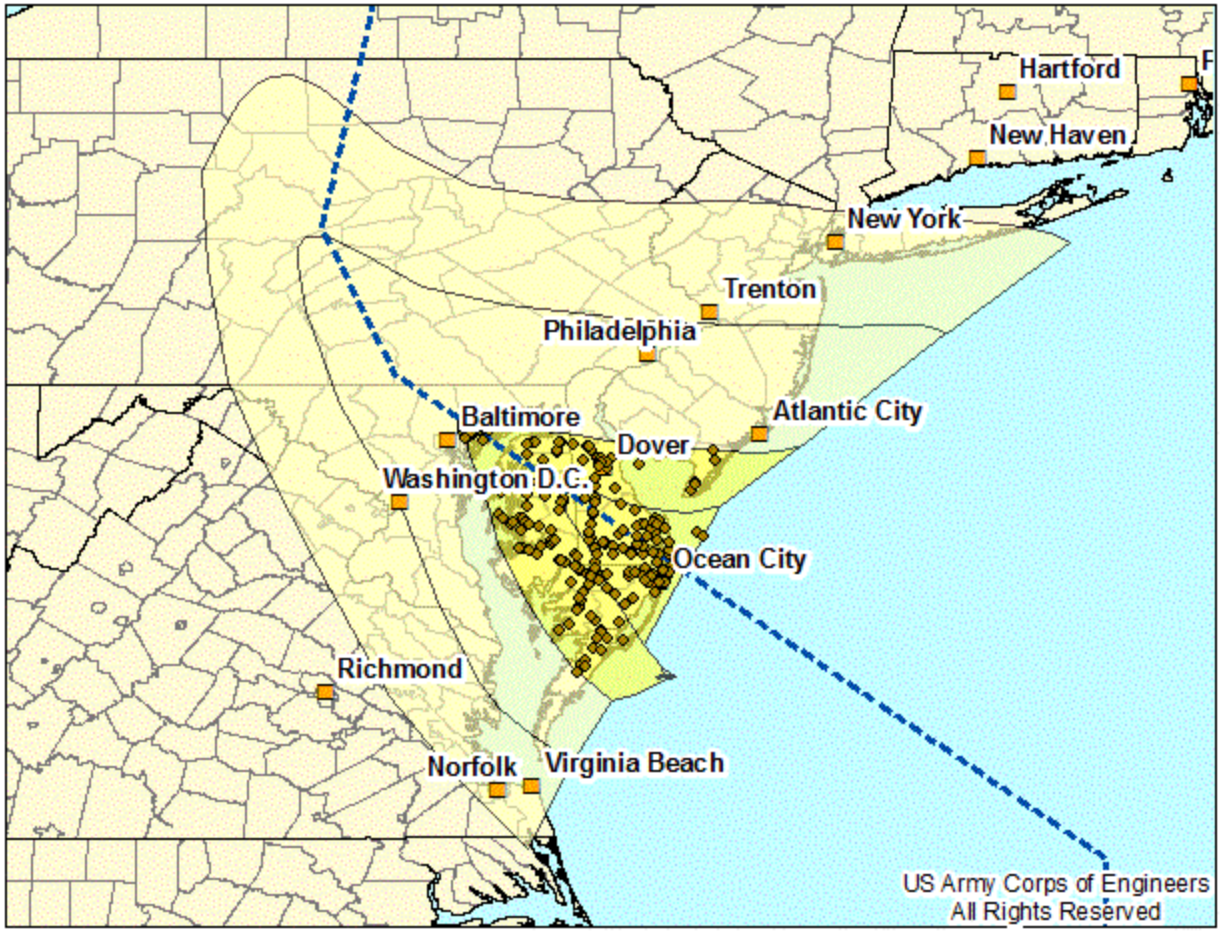
| Hurricane Sandy Electric Power Plants | |
|---|---|
| **Generated By:** P.Keown, LRL 1200 EDT 10/27/2012 | |
| **Sources:** HURREVAC LRL-DEBRIS | Page 14 of 22 |

US Army Corps of Engineers

# Hurricane Sandy Electric Substations

## Landfall Expected In About **58** Hours

**For Planning Purposes Only!**




### *Most Probable Landfall Electric Substations Inside Hurricane Force Winds*

Maryland - 137
Delaware - 79
Virginia - 12
New Jersey - 5

*Model results per County on following page*

This model is based on a Category 1 storm making landfall coastal DE.

◆ Electric Substations
Forecast Track

Information provided on this page displays a Category 1 storm making landfall coastal DE. These projections are based on information from the NHC (1100 EDT 10/27/2012) forecast.
The number of electric substations included in this output are those that would be included within estimated hurricane force winds (data source: HSIP Gold 2012).

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

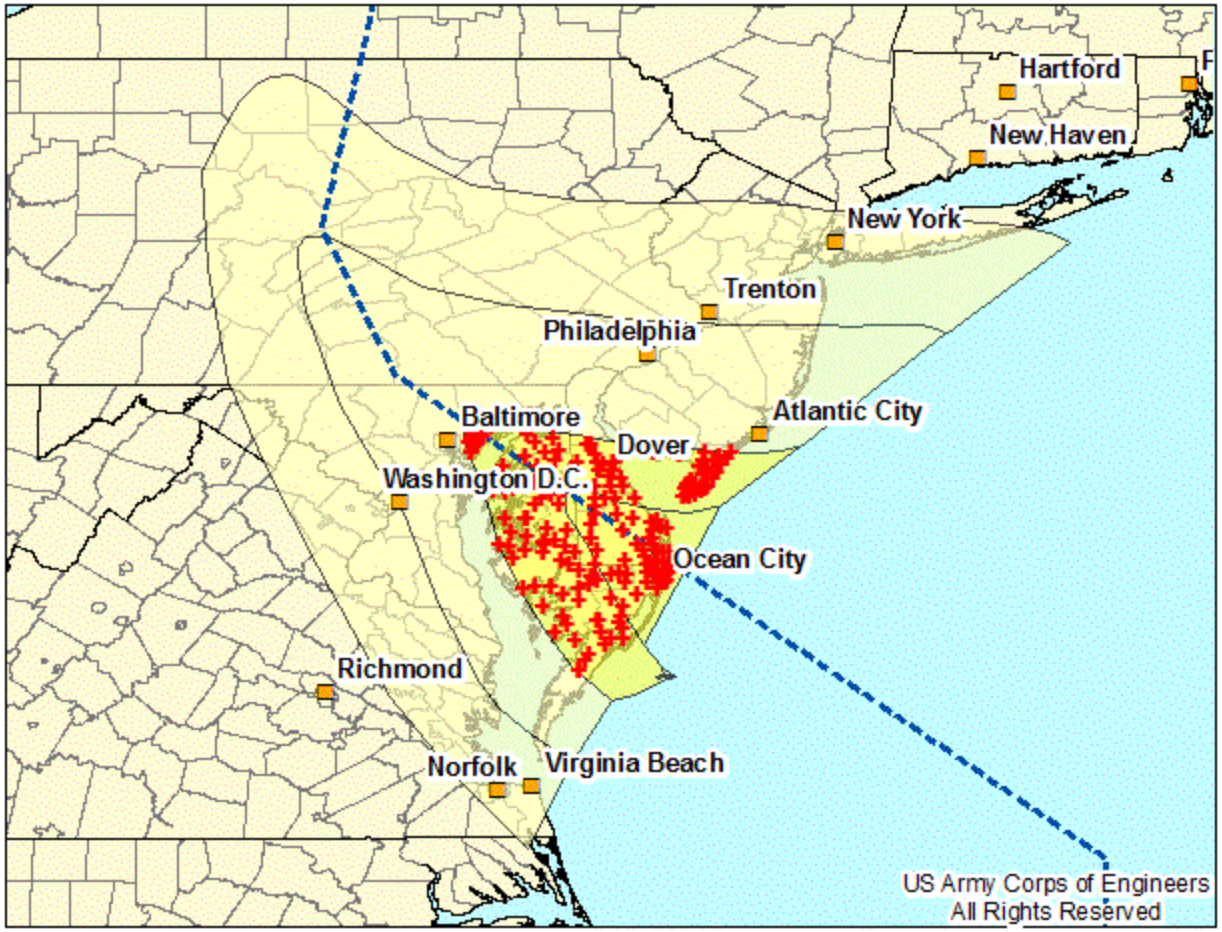
| **Hurricane Sandy Electric Substations** | |
|---|---|
| **Generated By:** P.Keown, LRL 1200 EDT 10/27/2012 | |
| **Sources:** HURREVAC LRL-DEBRIS | Page 15 of 22 |

US Army Corps of Engineers

# Hurricane Sandy Fire Stations

## Landfall Expected In About **58** Hours

**For Planning Purposes Only!**




### *Most Probable Landfall Fire Stations Inside Hurricane Force Winds*

Maryland - 96
Delaware - 50
New Jersey - 36
Virginia - 10

*Model results per County on following page*

This model is based on a Category 1 storm making landfall coastal DE.

\+ Fire Stations
Forecast Track

Information provided on this page displays a Category 1 storm making landfall coastal DE. These projections are based on information from the NHC (1100 EDT 10/27/2012) forecast.
The number of fire stations included in this output are those that would be included within estimated hurricane force winds (data source: HSIP Gold 2012).

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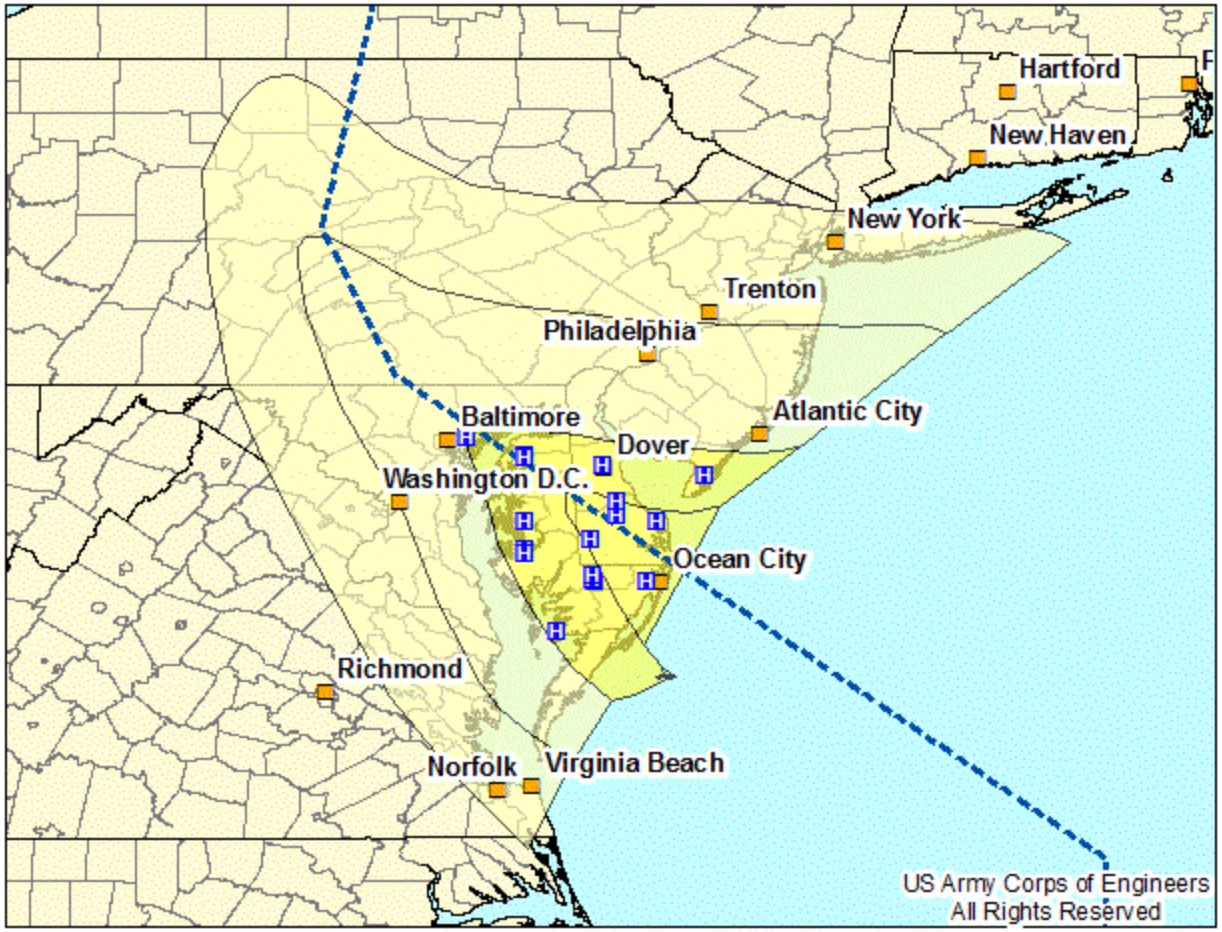
| Hurricane Sandy Fire Stations | |
|---|---|
| **Generated By:** P.Keown, LRL 1200 EDT 10/27/2012 | |
| **Sources:** HURREVAC LRL-DEBRIS |  |

US Army Corps of Engineers

# Hurricane Sandy Hospitals

## Landfall Expected In About 58 Hours

**For Planning Purposes Only!**




### *Most Probable Landfall Hospitals Inside Hurricane Force Winds*

Maryland - 11
Delaware - 5
New Jersey - 1

*Model results per County on following page*

This model is based on a Category 1 storm making landfall coastal DE.

H Hospitals
Forecast Track

Information provided on this page displays a Category 1 storm making landfall coastal DE. These projections are based on information from the NHC (1100 EDT 10/27/2012) forecast.
The number of hospitals included in this output are those that would be included within estimated hurricane force winds (data source: HSIP Gold 2012).

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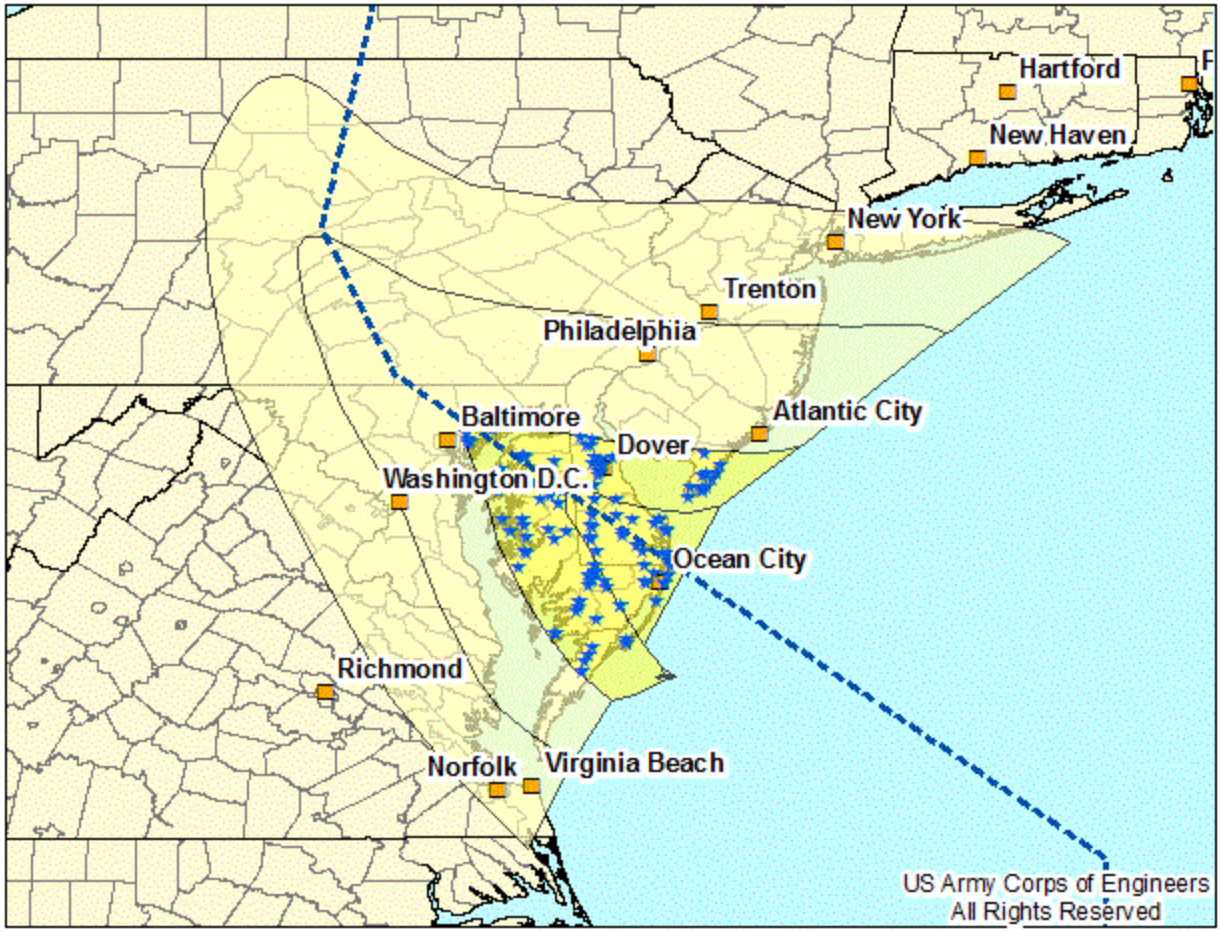
| Hurricane Sandy Hospitals | |
|---|---|
| **Generated By:** P.Keown, LRL 1200 EDT 10/27/2012 | |
| **Sources:** HURREVAC LRL-DEBRIS | Page 17 of 22 |

US Army Corps of Engineers

# Hurricane Sandy Law Enforcement

## Landfall Expected In About **58** Hours

**For Planning Purposes Only!**




### *Most Probable Landfall Law Enforcement Inside Hurricane Force Winds*

Maryland - 67
Delaware - 41
New Jersey - 15
Virginia - 7

*Model results per County on following page*

This model is based on a Category 1 storm making landfall coastal DE.

★ Law Enforcement
Forecast Track

Information provided on this page displays a Category 1 storm making landfall coastal DE. These projections are based on information from the NHC (1100 EDT 10/27/2012) forecast.
The number of law enforcement included in this output are those that would be included within estimated hurricane force winds (data source: HSIP Gold 2012).

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or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

**Hurricane Sandy Law Enforcement**

**Generated By:**
P.Keown, LRL 1200 EDT 10/27/2012

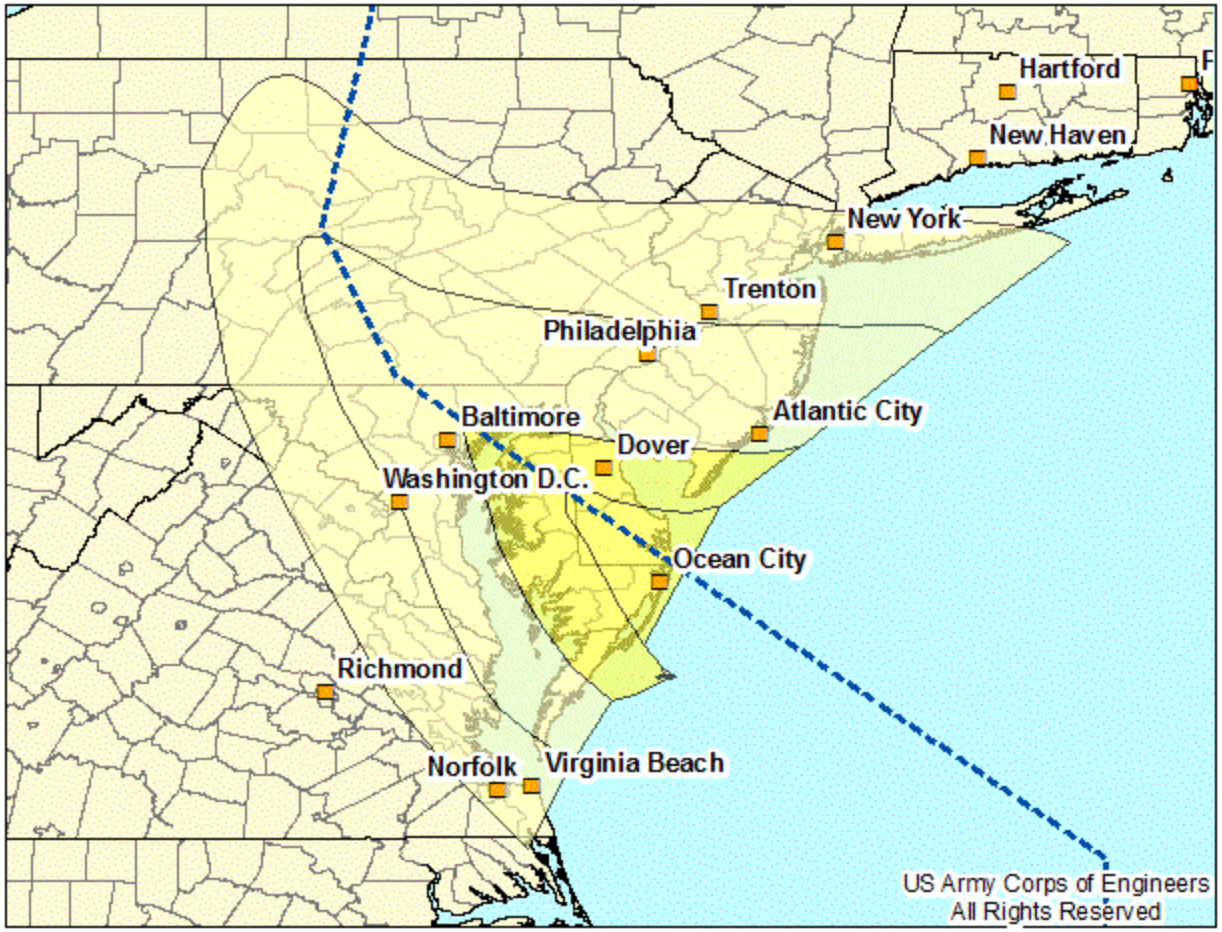
**Sources:**
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

# Hurricane Sandy Nuclear Plants

## Landfall Expected In About 58 Hours

**For Planning Purposes Only!**




***Most Probable Landfall Nuclear Plants Inside Hurricane Force Winds***

*Model results per County on following page*

This model is based on a Category 1 storm making landfall coastal DE.

Nuclear Plants

Forecast Track

Information provided on this page displays a Category 1 storm making landfall coastal DE. These projections are based on information from the NHC (1100 EDT 10/27/2012) forecast.

The number of nuclear plants included in this output are those that would be included within estimated hurricane force winds (data source: HSIP Gold 2012).

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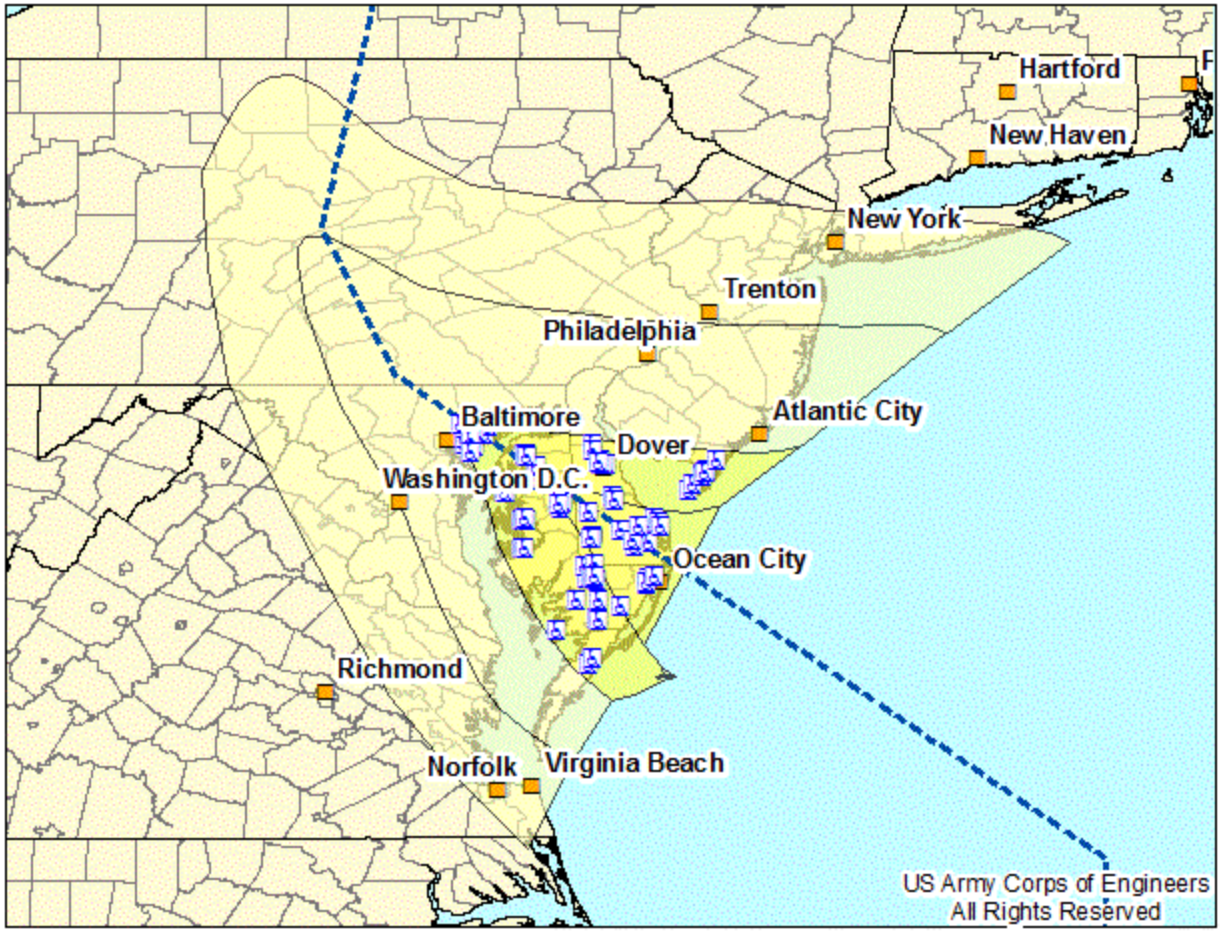
| Hurricane Sandy Nuclear Plants | |
|---|---|
| **Generated By:** P.Keown, LRL 1200 EDT 10/27/2012 | |
| **Sources:** HURREVAC LRL-DEBRIS | Page 19 of 22 |

US Army Corps of Engineers

# Hurricane Sandy Nursing Homes

## Landfall Expected In About 58 Hours

**For Planning Purposes Only!**




### *Most Probable Landfall Nursing Homes Inside Hurricane Force Winds*

Maryland - 64
Delaware - 31
New Jersey - 8
Virginia - 3

*Model results per County on following page*

This model is based on a Category 1 storm making landfall coastal DE.

Nursing Homes
Forecast Track

Information provided on this page displays a Category 1 storm making landfall coastal DE. These projections are based on information from the NHC (1100 EDT 10/27/2012) forecast.
The number of nursing homes included in this output are those that would be included within estimated hurricane force winds (data source: HSIP Gold 2012).

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or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

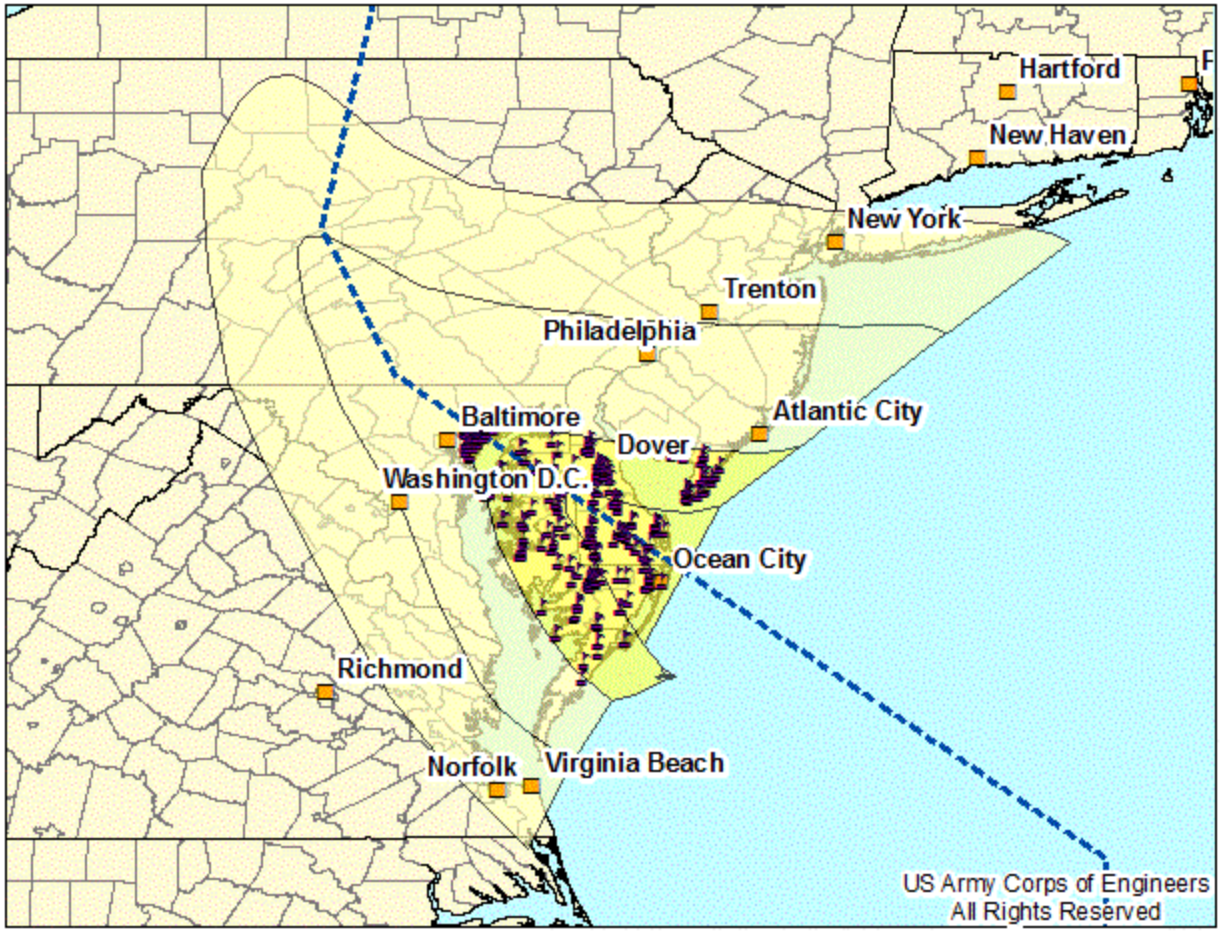
| Hurricane Sandy Nursing Homes | |
|---|---|
| **Generated By:** P.Keown, LRL 1200 EDT 10/27/2012 | |
| **Sources:** HURREVAC LRL-DEBRIS |  |

US Army Corps of Engineers

# Hurricane Sandy Schools

## Landfall Expected In About **58** Hours

**For Planning Purposes Only!**




### *Most Probable Landfall Schools Inside Hurricane Force Winds*

Maryland - 147
Delaware - 108
New Jersey - 31
Virginia - 8

*Model results per County on following page*

This model is based on a Category 1 storm making landfall coastal DE.

Schools
Forecast Track

Information provided on this page displays a Category 1 storm making landfall coastal DE. These projections are based on information from the NHC (1100 EDT 10/27/2012) forecast.
The number of schools included in this output are those that would be included within estimated hurricane force winds (data source: HSIP Gold 2012).

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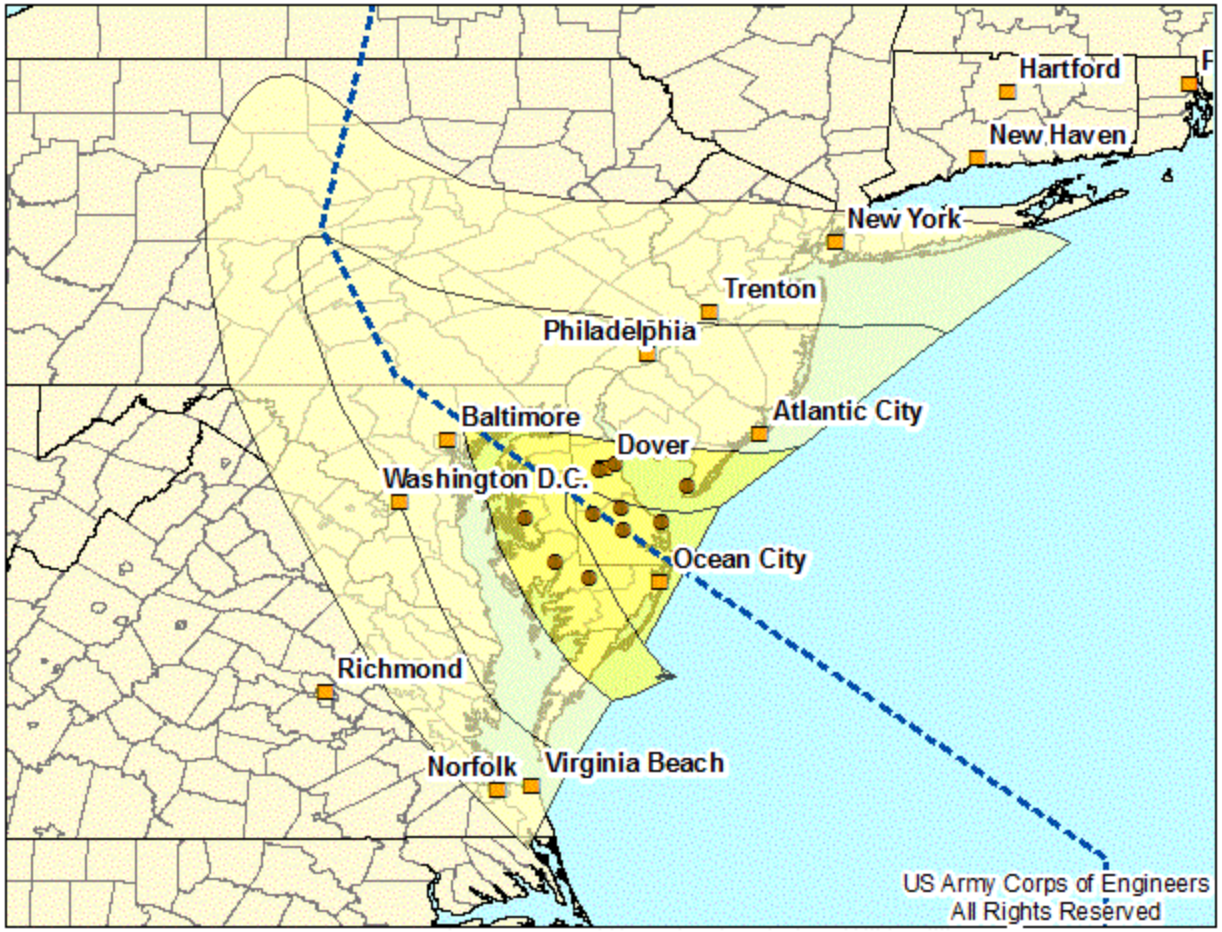
| Hurricane Sandy Schools | |
|---|---|
| **Generated By:** P.Keown, LRL 1200 EDT 10/27/2012 | |
| **Sources:** HURREVAC LRL-DEBRIS |  |

# Hurricane Sandy Sewage Treatment Plants

US Army Corps of Engineers

## Landfall Expected In About **58** Hours

**For Planning Purposes Only!**




### *Most Probable Landfall Sewage Treatment Plants Inside Hurricane Force Winds*

Delaware - 7
Maryland - 4
New Jersey - 1

*Model results per County on following page*

This model is based on a Category 1 storm making landfall coastal DE.

Sewage Treatment Plants
Forecast Track

Information provided on this page displays a Category 1 storm making landfall coastal DE. These projections are based on information from the NHC (1100 EDT 10/27/2012) forecast.
The number of sewage treatment plants included in this output are those that would be included within estimated hurricane force winds (data source: HSIP Gold 2012).

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or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

| Hurricane Sandy Sewage Treatment Plants | |
|---|---|
| **Generated By:** P.Keown, LRL 1200 EDT 10/27/2012 | |
| **Sources:** HURREVAC LRL-DEBRIS | Page 22 of 22 |